

Digital temperature display

Antifreeze

Key switch

Minimum/maximum temperature memory

Forced-air cooling

Visual and audible alarm signal, even in the case of power failure

2 drawers

Comfortable access

Automatic defrosting

Connection for forwarding alarms and for PC-supported temperature documentation

Condensate evaporation



**Self-closing doors**  
Doors left open accidentally are a thing of the past. (Except BL-100, FROSTER-BL-650).



**Ventilation slits**  
Improve the refrigerating machine's ventilation and are easy to clean. Simplifies the integration of the devices in a clean room or into furniture.

# BL-176

according to DIN 58371



- **External housing** made from galvanised sheet steel (rust-proof), with white, anti-scratch powder coating. Length of the plug cable: approx. 1.8 m.
- **Adjustable feet** to compensate for uneven floors.
- **Interior** made from smooth aluminium with colourless protective coating.
- **Interior consists** of two drawers of aluminium on telescopic runners with stops. Stacking height: 23 cm. Capacity per drawer app. 25 blood bags, each 500 ml size.
- **Extra-thick 70-mm insulation**, made from high-quality, compression-moulded and environmentally friendly material. Energy saving.
- **Self-closing door** with easy-to-replace plastic magnetic seal frame, lockable.
- **Door stop** on the right-hand side (by default, see illustration), or the left-hand side, can be retrofitted.
- **Forced-air cooling** with axial blower, switches off automatically when you open the door, ensures a uniform temperature and minimizes temperature deviations.
- **Automatic defrosting** with time limit and temperature monitoring.
- **Condensate evaporation** in the refrigerating machine room.
- **Key switch** protected control panel against tampering. Membrane keyboard with digital temperature display and minimum/maximum temperature memory.
- **Warning functions** with visual and audible alarm signal in the case of power failure and temperature deviations. In the case of power failure, the monitoring unit remains in operation for approx. 72 hours on battery power. Door open alarm after 60 seconds.
- **Alarms** can be forwarded using the floating contact (e.g., to a mobile phone with optional GSM-Module or to a control centre).
- **RS485 interface** for connecting to PC-supported temperature documentation (using the optional PC-KIT).
- **Antifreeze** against sub-zero temperatures.
- **Statically ventilated refrigerating machine**, vibration free, hermetically sealed, energy saving, low-noise, easy to service.

## Specification

Capacity	170 litres
Temperature setting	+4 °C
Voltage	220 – 240 V, 50/60 Hz
Power consumption	155 watts
Normal consumption	1.4 kWh/24 h
Admissible ambient temperature	from +10 °C to +38 °C
Heat emission (max.)	203 watts
Overall dimensions (including distance from wall)	w x d x h = 70 x 77 x 122 cm
Interior dimensions	w x d x h = 55 x 52 x 60 cm (usable width 3 cm, usable depth 9 cm, usable height 13 cm less)
Exterior dimensions with door open at 90°	w x d = 70 x 136 cm
Drawer inner dimensions	w x d x h = 50 x 34 x 10 cm
Max. load drawer	50 kg
Weight	Net weight 79 kg, gross weight 89 kg

## Optional equipment

- **LED illumination** mounted at the top.
- **Equipped with castors.**
- **Drawer insert** (set) with 3 adjustable length and 21 cross dividers per drawer.
- **Additional length and cross dividers.**
- **Drawer** made of stainless steel instead of aluminium.
- **Condensate container** can be emptied manually if no condensation is required (e.g., in an operating theatre).
- **GSM-Module** for alarm text message transmission (e.g., to a mobile phone).
- **Temperature documentation:**
  - PC-KIT-NET, PC-KIT-USB-MONITORING or PC-KIT-STICK including software for temperature documentation.
  - 4-pin PT 100 or PT 1000 temperature sensor, class 1/3 B, including built-in reference body.
  - Disc-type pen recording thermometer, with 7-day measuring cycle, incorporated, with 100 recording discs and 5 felt tip pens.
  - Mechanical pen-recording thermometer with two waxed paper strips.